

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: Sampling and Analysis Artesian Water Company
Llangollen Wellfield and Amoco Chemical Company

FROM: Victor Guide (3SA21)
Sanitary Engineer, Annapolis Field Office

TO: Larry S. Miller (3SA60)
Chief, Water Quality Monitoring Office

DATE: May 17, 1977

Larry Miller
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At the request of the Water Supply Branch (see attachments) water samples will be collected at the following locations for VOA:

Artesian Water Company Llangollen Wellfield

- (1) Finished Water
- (2) Artesian Water Company Well No. 2
- (3) Artesian Water Company Well No. 7
- (4) Artesian Water Company Well No. G-3

Amoco Chemical Company

- (5) Well No. PW-1
- (6) Well No. PW-3

At these six (6) stations water samples for volatile organics analysis (VOA) will be collected according to the following procedures.

1. Samples will be collected in triplicate at each station using pre-washed (no organic solvents will be used), muffled*, 50 ml serum bottles with zero-dead volume and Teflon faced septum.
2. At the time of collection bottles will be labeled (date/time of sample collection, location, name of sampler, witness) and filled with water to the very top of the bottle (zero-dead volume). The Teflon faced crimp top will be placed on the bottle and crimped with the crimping device. Samples will be then placed in a cool location while awaiting delivery to the appropriate laboratory for VOA.

* Sample bottles will be muffled overnight at sufficient temperature ([~]400°C) to volatilize organic impurities.

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